

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/SG 02/00147

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 H04L12/44 H04L29/12- H04L12/46

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, COMPENDEX, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 279 097 B1 (KAKU SHINKYO) 21 August 2001 (2001-08-21) abstract column 4, line 6 -column 6, line 54 ----	1-8
A	WO 99 13620 A (SJOEDIN PETER ;SICS (SE); MOESTEDT ANDREAS (SE)) 18 March 1999 (1999-03-18) abstract page 2, line 4 -page 3, line 37 page 6, line 23 -page 7, line 5 page 9, line 8 - line 30 ----	1-8
A	US 6 308 218 B1 (VASA SURESH) 23 October 2001 (2001-10-23) abstract column 2, line 17 -column 4, line 34 ----	1-8 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&\* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
27 January 2003	03/02/2003
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Authorized officer  Lebas, Y

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 594 196 A (DIGITAL EQUIPMENT CORP) 27 April 1994 (1994-04-27) page 3, line 1 - line 58 -----	1-8

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6279097	B1	21-08-2001	AU EP JP TW WO	1712800 A 1131921 A1 2002531004 T 465210 B 0031926 A1		13-06-2000 12-09-2001 17-09-2002 21-11-2001 02-06-2000
-----						
WO 9913620	A	18-03-1999	SE AU CA EP SE WO	511971 C2 9192698 A 2303261 A1 1020053 A2 9703293 A 9913620 A2		10-01-2000 29-03-1999 18-03-1999 19-07-2000 10-03-1999 18-03-1999
-----						
US 6308218	B1	23-10-2001	AU AU AU AU AU AU AU TW TW TW TW TW TW TW US US US US US US US WO WO WO WO WO WO WO US US US	9225698 A 9309998 A 9310698 A 9381398 A 9484098 A 9567298 A 406227 B 405074 B 420773 B 437247 B 439373 B 400473 B 6446173 B1 6442168 B1 6256313 B1 6301256 B1 6157951 A 6252879 B1 9914901 A1 9914902 A1 9914903 A1 9914892 A2 9914904 A1 9914893 A2 6363067 B1 5884040 A 5940597 A		05-04-1999 05-04-1999 05-04-1999 05-04-1999 05-04-1999 05-04-1999 21-09-2000 11-09-2000 01-02-2001 28-05-2001 07-06-2001 01-08-2000 03-09-2002 27-08-2002 03-07-2001 09-10-2001 05-12-2000 26-06-2001 25-03-1999 25-03-1999 25-03-1999 25-03-1999 25-03-1999 25-03-1999 25-03-1999 26-03-2002 16-03-1999 17-08-1999
-----						
EP 0594196	A	27-04-1994	DE DE EP US	69324204 D1 69324204 T2 0594196 A1 5414704 A		06-05-1999 23-12-1999 27-04-1994 09-05-1995
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